1986 PEST CONDITIONS REPORT WORK SHEET

PEST (COMMON NAME): NANTUCKET ~~PINE~~ PINE TIP MOTH
PITCH PINE TIP MOTH

(SPECIFIC NAME): Rhyacionia frustrana
" rigidana

HOST: Pitch pine

PRESENT CONDITION:

AREA (TOTAL ACRES): Natural range of pitch pine

LOCATION: Cape Cod ~~NATIONAL~~ National Seashore

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):
More than 2000 acres were moderately to severely infested

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):
Losses are light; damage is restricted to young pine less than 15' tall.

TREND:

PAST TO PRESENT: Has been a perennial pest on pitch pine for many years

FUTURE: Will continue to be a pest because their primary host is pitch pine.

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):
CCNS plan no control because they are native pests.

COMMENTS:

1986 PEST CONDITIONS REPORT WORK SHEET

PEST (COMMON NAME): Browntail moth

(SPECIFIC NAME): Euproctis chrysorrhoea

HOST: Beach plum, beach oak, wild cherry, shadbush & other shrubs

PRESENT CONDITION:

AREA (TOTAL ACRES): Natural range of pitch pine on the Seashore

LOCATION: Cape Cod National Seashore

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):
About 750 acres moderate to severe defoliated

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES): Mortality of beach plum is high

TREND:

PAST TO PRESENT: ~~Population~~ Infested areas have increased from 82 acres in 1982 to 750 acres in 1986

FUTURE: Expect infestation to continue to expand to new inland areas on & off the Park

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS): Park Service plans to treat beach plum using BT in 1987; also plan to do clipping of webs in low density areas.

COMMENTS:

MASS

1986 PEST CONDITIONS REPORT WORK SHEET

PEST (COMMON NAME): Red Pine Adelgid

(SPECIFIC NAME): Pineus boerneri

HOST: Red Pine Pinus resinosa

PRESENT CONDITION:

AREA (TOTAL ACRES):

LOCATION: New in 1986 - Hampshire County, City of Northampton.

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

No mortality seen as yet.

TREND:

PAST TO PRESENT: Spreading

FUTURE: Continue to spread.

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

None

COMMENTS:

P. Snowden may have a different line for the limit of the infestation in 1986.

MASS

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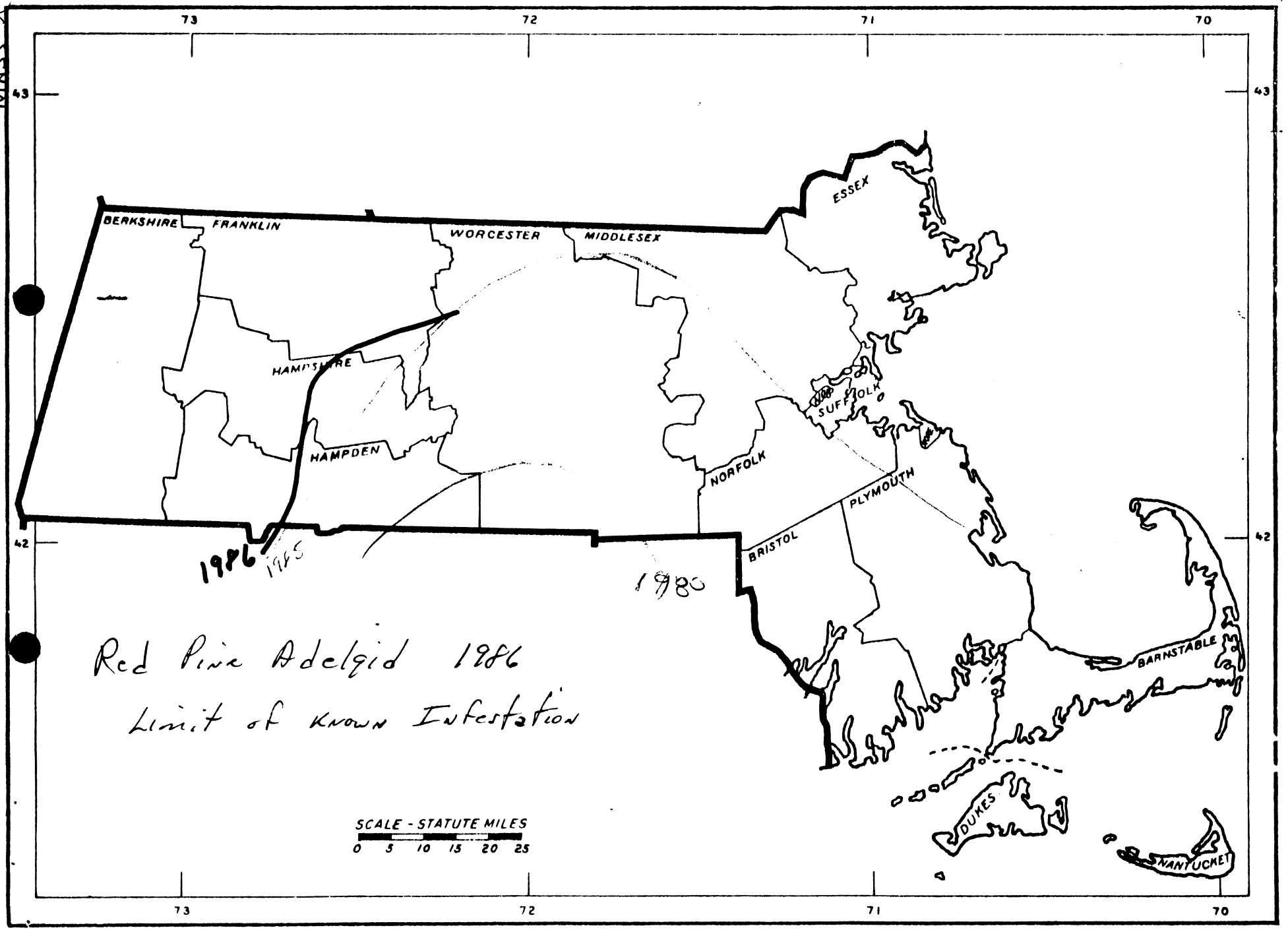

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1986 PEST CONDITIONS REPORT WORK SHEET

PEST (COMMON NAME): Unknown Cause

(SPECIFIC NAME):

HOST: Norway Spruce Picea rubens

PRESENT CONDITION: decline & mortality

AREA (TOTAL ACRES): 2,076

LOCATION: Berkshire & Dukes Counties

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

no estimates

TREND:

PAST TO PRESENT: Building. Has been present for at least 10 yrs.

FUTURE: Building - spreading

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

none

COMMENTS:

Dukes County = Island of Martha's Vineyard has 110 acres.

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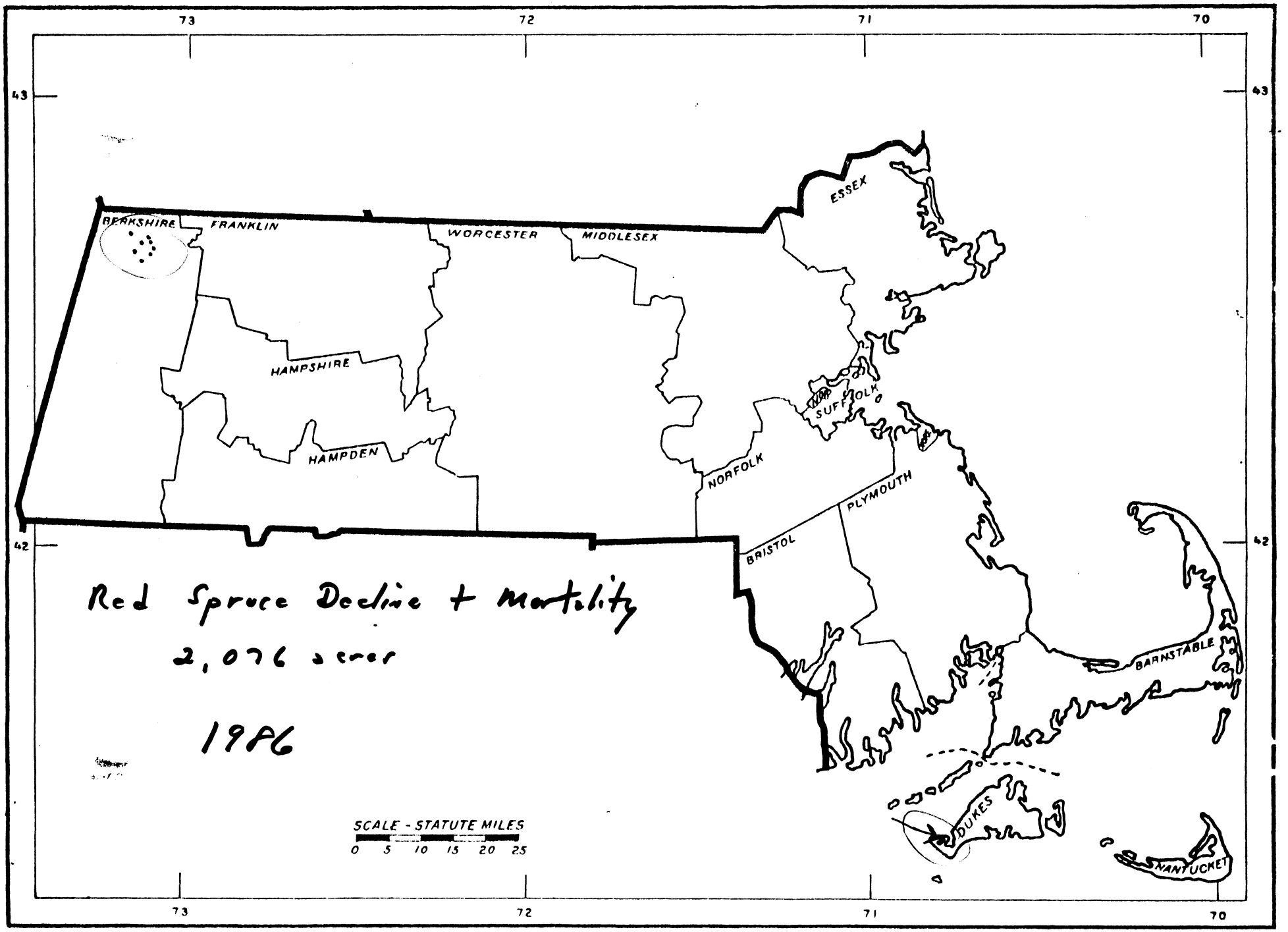

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1986 PEST CONDITIONS REPORT WORK SHEET

PEST (COMMON NAME): Gypsy Moth

(SPECIFIC NAME): Lymantria dispar

HOST: Many deciduous + coniferous Trees

PRESENT CONDITION:

AREA (TOTAL ACRES): 404,438

LOCATION: Southern Worcester + middlesex Counties. Essex County + all Southeastern Massachusetts

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

31-60% = 114,073 61-100% = 229,018 (0-30 = 61,447)

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

No estimates

TREND:

PAST TO PRESENT: Building 84,85

FUTURE: Building - Essex County. Decline all other areas

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

Town of Northbridge Treated 980a. B.T. 16 BIU @ 12.00 = $11,760.00

" " Blackstone " 3,013a " " " @ 10.90 = $32,841.70

COMMENTS:

Both Towns in southern Worcester County. Aerial applications.

MASS

1986 PEST CONDITIONS REPORT WORK SHEET

PEST (COMMON NAME): Fall Cankerworm

(SPECIFIC NAME): Alsophila pometaria

HOST: various hardwoods

PRESENT CONDITION:

AREA (TOTAL ACRES): 8,470

LOCATION: Norfolk County, Dukes County

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

2,750 - Light 0-30% Dukes County

5,720 - Heavy 61-100% Norfolk County

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

None

TREND:

PAST TO PRESENT: Declining 85-86

FUTURE: Decline

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

None

COMMENTS:

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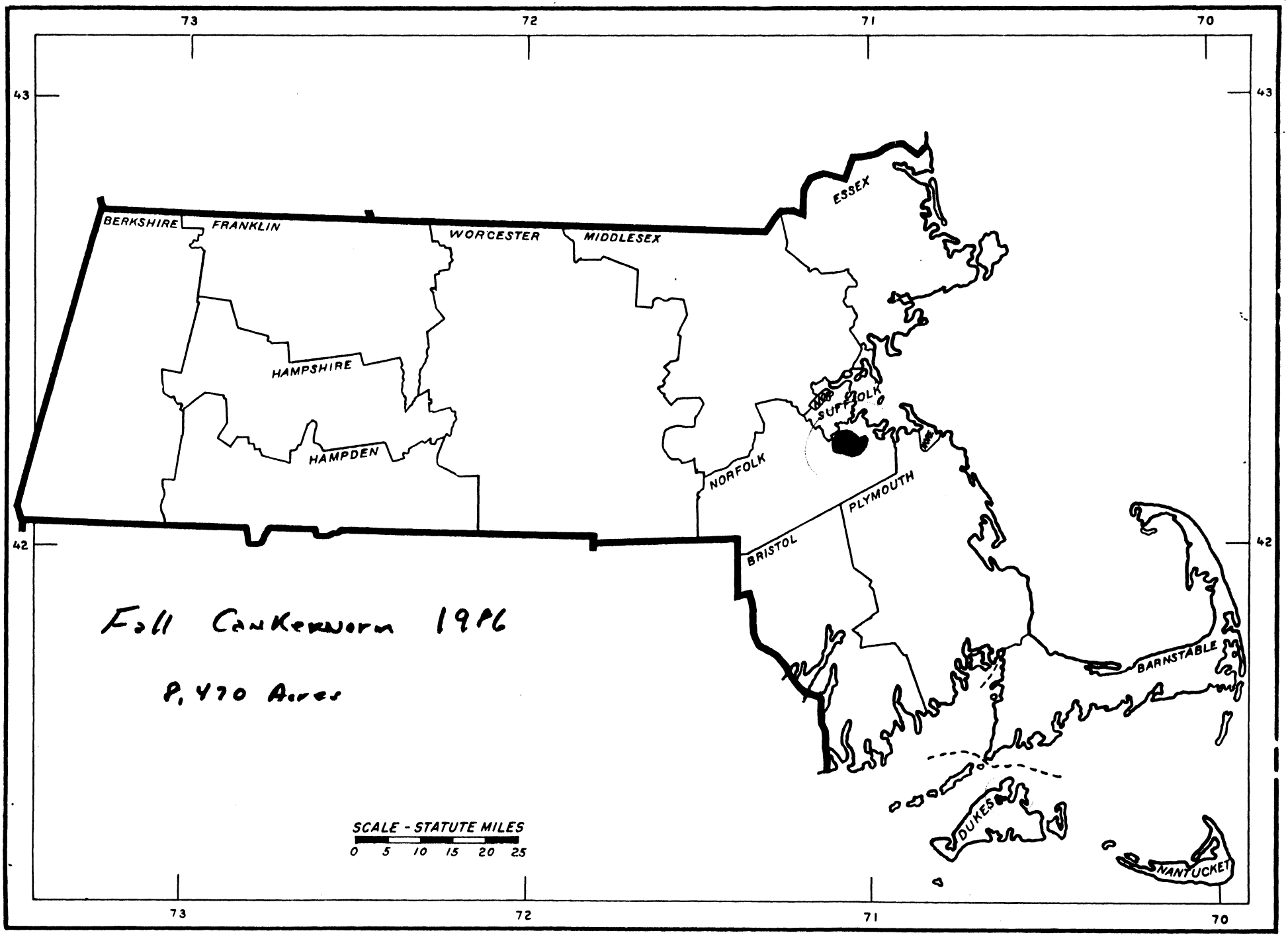

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MASS

1986 PEST CONDITIONS REPORT WORK SHEET

PEST (COMMON NAME): Ash leaf rust

(SPECIFIC NAME): Puccinia sparganoides

HOST: Fraxinus

PRESENT CONDITION:

AREA (TOTAL ACRES): 1,091

LOCATION: Essex County

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

From aerial survey 1,091 acres - Moderate 31-60%

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

no estimates

TREND:

PAST TO PRESENT: none noted in 1985

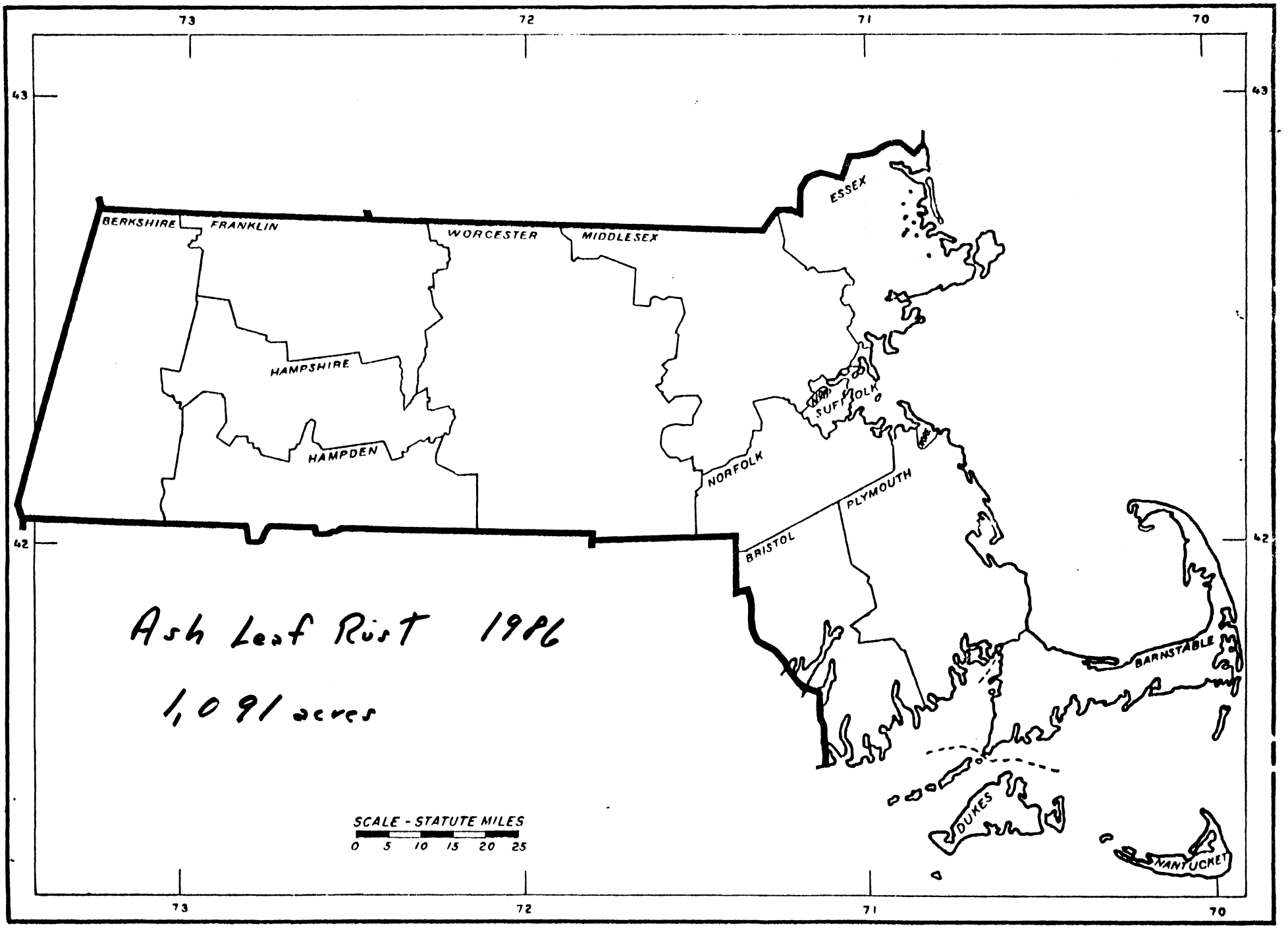
FUTURE: Unknown

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

none

COMMENTS:

MASSACHUSETTS



Ash Leaf Rust 1986

1,091 acres

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MASS

1986 PEST CONDITIONS REPORT WORK SHEET

PEST (COMMON NAME): Fall Webworm

(SPECIFIC NAME): Hyphantria cunea

HOST: Ash, hickory

PRESENT CONDITION:

AREA (TOTAL ACRES): Spotty - Statewide

LOCATION: No formal survey

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES): ?

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES): none

TREND:

PAST TO PRESENT: stable

FUTURE: stable

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

none

COMMENTS:

X MASS

1986 PEST CONDITIONS REPORT WORK SHEET

PEST (COMMON NAME): Oak skeletonizer

(SPECIFIC NAME): Bucculatrix ainsliella

HOST: Primarily Red Oak

PRESENT CONDITION:

AREA (TOTAL ACRES): Statewide - estimated 3 million ±

LOCATION:

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

No survey following second generation

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

none

TREND:

PAST TO PRESENT: Building '84 '85

FUTURE: Decline

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

none

COMMENTS:

In general defoliation lighter than 1985